

Title (en)

Process and apparatus for cleansing soil polluted with toxic substances.

Title (de)

Verfahren und Anlage zur Reinigung eines mit Giftstoffen verunreinigten Bodens.

Title (fr)

Procédé et installation pour le nettoyage de sol pollué par des substances toxiques.

Publication

EP 0155022 A1 19850918 (EN)

Application

EP 85200152 A 19850208

Priority

NL 8400652 A 19840229

Abstract (en)

The invention relates to a process for cleansing soil polluted with toxic substances having a high temperature of evaporation, said soil being heated in a first rotating kiln (2, 3) to evaporate part of the toxic substances, subsequently is heated in a second kiln (10) of a fluid bed type to a higher temperature, partly using the combustion heat of the already liberated vapours after which the heated soil of the second kiln is supplied to the first kiln to raise the temperature of the soil present in the first kiln. Between the first and second kiln there can be a storage silo (9).

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B09B 5/00; **F23G 5/027**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [A] DE 3216771 A1 19821216 - STEVIN WEGENBOUW [NL]
- [A] FR 2369505 A1 19780526 - PERLMOOSER ZEMENTWERKE AG [AT]
- [A] DE 1247532 B 19670817 - CHRISTIAN ROSENBERGER FA
- [A] FR 1425223 A 19660114 - WIBAU GMBH
- [A] FR 2361606 A1 19780310 - WESTS PYRO LTD [GB]
- [A] DE 3122395 A1 19830105 - SCHMITZ & APELT INDUSTRIEOFENB [DE]

Cited by

AU644436B2; DE3921591A1; US5264654A; EP0197577A1; EP0543530A3; AU2006202587B2; AU2003204208B2; US4961391A; US5453562A; US5253597A; EP0253079A3; EP0256800A1; EP0284156A1; US4881475A; GB2185558A; GB2185558B; US7019190B1; US7669349B1; WO9004470A1; WO0018524A1; WO9116154A1; WO8904730A1

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